

STN Structure Search (Registry) (Caplus)

10/537,940

01/12/2008

Connecting via Winsock to STN

Claim 29 - $n_1 = 1$ $R_3 =$ AK-OH

Alkenyl

AK-O-AK

Aryl C_6-10

Het

Welcome to STN International! Enter x:x

LOGINID:SSPTAJMN1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/CAPlus enhanced with additional kind codes for granted patents
NEWS 5 AUG 20 CA/CAPlus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/CAPlus enhanced with printed CA page images from 1967-1998
NEWS 13 SEP 17 Caplus coverage extended to include traditional medicine patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/CAPlus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPADOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/CAPlus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability

only prior art:
 $n_1 = 1$
 $R_3 =$ alkynyl
not claimed

NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:43:23 ON 12 JAN 2008

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:43:33 ON 12 JAN 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 11 JAN 2008 HIGHEST RN 960491-85-4

DICTIONARY FILE UPDATES: 11 JAN 2008 HIGHEST RN 960491-85-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

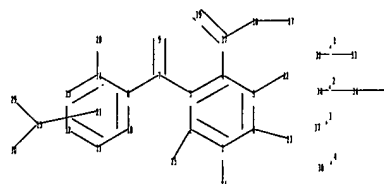
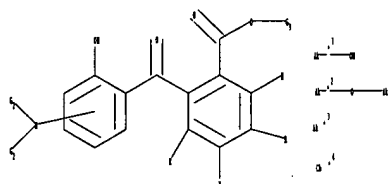
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10537940\Jan1.str



```

chain nodes :
7 9 17 19 20 22 23 24 25 27 32 33 34 35 36 37 38
ring nodes :
1 2 3 4 5 6 8 10 11 12 13 14
ring/chain nodes :
15 18 29 30
chain bonds :
1-24 2-25 3-7 4-17 5-22 6-23 7-8 7-9 14-20 17-18 17-19 18-27 32-33
34-36 35-36
ring/chain bonds :
15-29 15-30
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14
exact/norm bonds :
7-9 14-20 15-29 15-30 17-18 17-19 18-27 32-33 34-36 35-36
exact bonds :
1-24 2-25 3-7 4-17 5-22 6-23 7-8
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14
isolated ring systems :
containing 1 : 8 :

```

G1: Cy, Ak

G2: H, Ak

G3: Hy, [*1], [*2], [*3], [*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:Atom
 11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS
 20:CLASS 21:Atom 22:CLASS 23:CLASS 24:CLASS 25:CLASS 27:CLASS 29:CLASS
 30:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS 36:CLASS 37:CLASS 38:Atom

Generic attributes :

37:
 Saturation : Unsaturated

38:
 Saturation : Unsaturated

Element Count :

Node 32: Limited
 C,C1-6

Node 34: Limited
 C,C1-13

Node 37: Limited
 C,C2-20

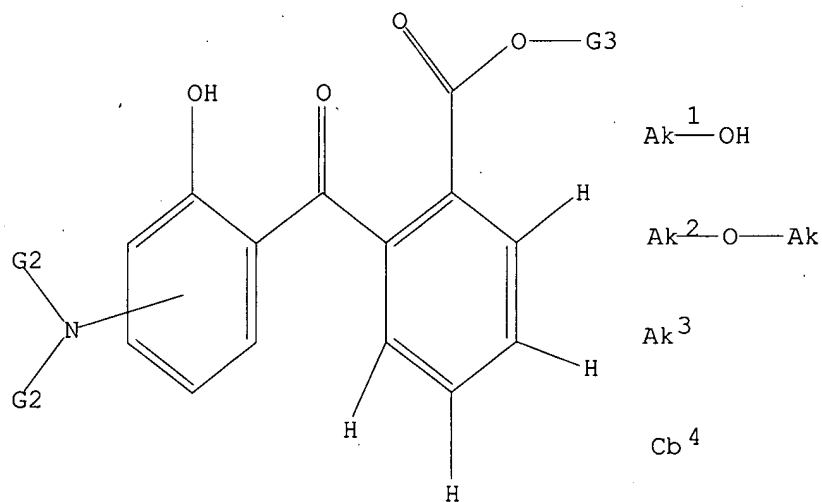
Node 38: Limited
 C,C6-10

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 Cy,Ak

G2 H,Ak

G3 Hy,[@1],[@2],[@3],[@4]

Structure attributes must be viewed using STN Express query preparation.

=> s 11

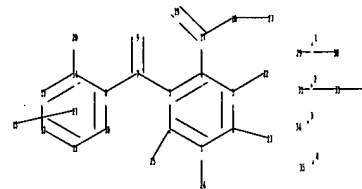
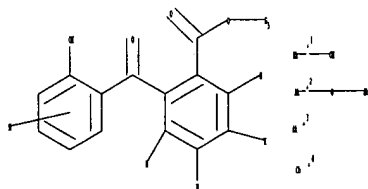
GENERIC GROUP NOT VALID HERE

Generic groups may not be used in these circumstances:

1. Any generic group node (e.g., Hy) in a ring.
2. An Ak node attached to another Ak node.
3. An Ak node with three or more attachments where one or more of the attachments is to a C node.

=>

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chain nodes :

7 9 17 19 20 22 23 24 25 27 29 30 31 32 33 34 35

ring nodes :

1 2 3 4 5 6 8 10 11 12 13 14

ring/chain nodes :

15 18

chain bonds :

1-24 2-25 3-7 4-17 5-22 6-23 7-8 7-9 14-20 17-18 17-19 18-27 29-30
31-33 32-33

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14

exact/norm bonds :

7-9 14-20 17-18 17-19 18-27 29-30 31-33 32-33

exact bonds :

1-24 2-25 3-7 4-17 5-22 6-23 7-8

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 8-10 8-14 10-11 11-12 12-13 13-14
isolated ring systems :
containing 1 : 8 :

G1: Cy, Ak

G2: H, Ak

G3: Hy, [*1], [*2], [*3], [*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:CLASS 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:Atom 22:CLASS 23:CLASS 24:CLASS 25:CLASS 27:CLASS 29:CLASS
30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:Atom

Generic attributes :

34:

Saturation : Unsaturated

35:

Saturation : Unsaturated

Element Count :

Node 29: Limited

C, C1-6

Node 31: Limited

C, C1-13

Node 34: Limited

C, C2-20

Node 35: Limited

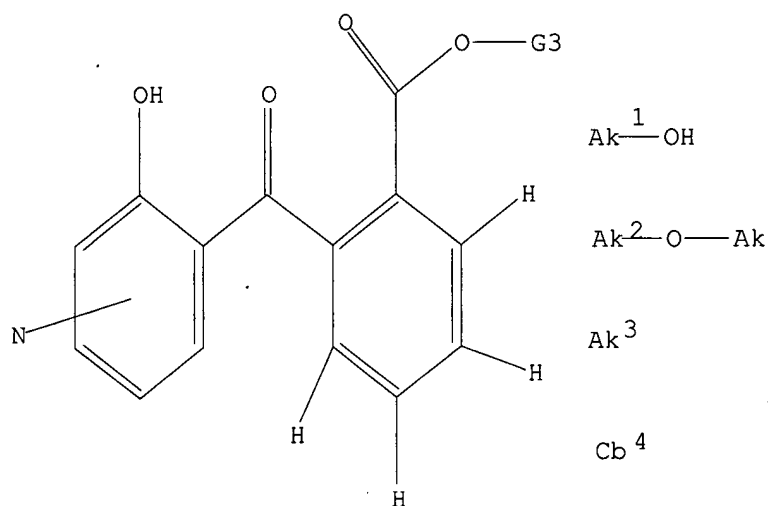
C, C6-10

L2 STRUCTURE UPLOADED

=> d

L2 HAS NO ANSWERS

L2 STR



G1 Cy,Ak

G2 H,Ak

G3 Hy,[@1],[@2],[@3],[@4]

Structure attributes must be viewed using STN Express query preparation.

=> s 12

SAMPLE SEARCH INITIATED 10:44:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 96 TO ITERATE

100.0% PROCESSED 96 ITERATIONS
SEARCH TIME: 00.00.01

1 ANSWERS

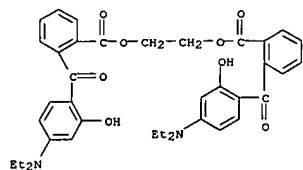
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1333 TO 2507
PROJECTED ANSWERS: 1 TO 80

L3 1 SEA SSS SAM L2

=> d scan

L3 1 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,2-
ethanediyl) ester
MF C38 H40 N2 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s 12 full
FULL SEARCH INITIATED 10:44:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2167 TO ITERATE

100.0% PROCESSED 2167 ITERATIONS 24 ANSWERS
SEARCH TIME: 00.00.01

L4 24 SEA SSS FUL L2

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	178.82	179.03

FILE 'CAPLUS' ENTERED AT 10:44:49 ON 12 JAN 2008
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FILE LAST UPDATED: 11 Jan 2008 (20080111/ED)

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=> s 14
L5 12 L4

=> d ibib abs hitstr 1-12

L5 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2007-807783 CAPLUS
 DOCUMENT NUMBER: 147:219419
 TITLE: Silicon-containing benzophenone derivatives as sunscreens
 INVENTOR(S): Hease, Juerg; Mueller, Stefan; Ehli, Thomas
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc, Switz.
 SOURCE: Brit. UK Pat. Appl., 70pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2435041	A	20070815	GB 2007-2326	20070207
WO 2007090832	A1	20070816	WO 2007-EP51117	20070206

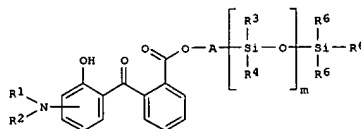
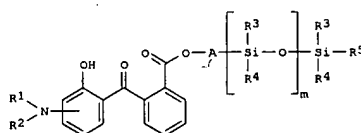
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, CA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPL. INFO.: EP 2006-101454 A 20060209

OTHER SOURCE(S): MARPAT 147:219419
GI

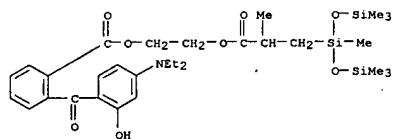
L5 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



AB Hydroxyphenylbenzophenone derivs. (I; R1, R2 = H, C1-20 alkyl, C2-20 alkenyl, C3-20 cycloalkyl, C3-10 cycloalkenyl; R1-R2 together with linking N form 5-/6-membered heterocycle; R3, R4, R5 = C1-4 alkyl, C1-4 alkoxy, OSi(R6)3; R6 = C1-6 alkyl; A = C3-6 alkylene, optionally interrupted by one or more O or O(CO); m = 0-5) and a process for their preparation are provided. The compds. have outstanding solubility properties in oils and are useful in cosmetic formulations as UV filters for protecting skin and hair from the harmful effects of UV radiation. Thus, compound II was prepared and formulated in a water-in-silicone composition as a soluble UV-A filter. The composition contained isononyl isononanoate 2.80, cetyl dimethicone 4.00, silica di-Me silylate 1.00, ethylhexyl methoxycinnamate 0.30, octocrylene 8.00, compound II 3.00, bis-ethylhexyloxyphenol methoxyphenyl triazine 3.50, cyclomethicone 1.50, dimethicone 12.00, dimethicone (and) dimethicone/vinyl dimethicone crosspolymer 5.00, titanium dioxide (and) aluminum hydroxide (and) dimethicone/methicone copolymer (and) hydrated silica 1.00, water 1.50, sodium chloride 3.00, and butylene glycol to 100%, resp. The in vitro measurement showed high SPF value (SPF 30) and high UVA protection (UVA balance 20).

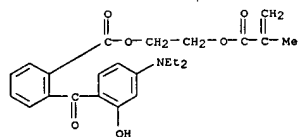
IT RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and compns. of silicon-containing hydroxyphenyl benzophenone derivs. as sunscreens)

RN 945014-85-7 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 5,7,9,9-tetramethyl-

L5 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
4-oxo-7-[(trimethylsilyloxy)-3,8-dioxa-7,9-disiladec-1-yl ester (CA INDEX NAME)

IT 945014-86-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation and compns. of silicon-containing hydroxyphenyl benzophenone derivs. as sunscreens)

RN 945014-86-8 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:1279755 CAPLUS
 DOCUMENT NUMBER: 146:49764
 TITLE: Preparation of polysiloxane sunscreens
 INVENTOR(S): Berg-Schultz, Katja; Poschalko, Alexander; Vollhardt, Juergen H.
 PATENT ASSIGNEE(S): Dsm Ip Assets B.V., Neth.
 SOURCE: PCT Int. Appl., 37pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006128614	A1	20061207	WO 2006-EP4879	20060523

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, CA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

IN 2007DN09120 A 20080104 IN 2007-DN9120 20071127
 EP 2005-11678 A 20050531

PRIORITY APPL. INFO.: WO 2006-EP4879 W 20060523

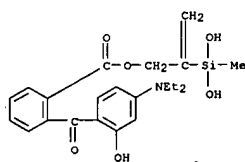
AB The present invention relates to novel sunscreens on the basis of polysiloxanes, to their preparation and to their use, especially in formulations for the protection against harmful effects of sunlight. A polysiloxane copolymer containing 4-[(2,2-diethoxycarbonyl)vinyl]phenoxyethyl and 2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyloxymethyl groups was prepared and used in sunscreen formulations.

IT 916463-32-6P, trimethylsilyl-terminated
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (assumed monomers; preparation of polysiloxane sunscreens)

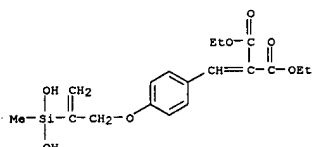
RN 916463-32-6 CAPLUS
 CN Propanedioic acid, 2-[(4-[(2-(dihydroxymethylsilyl)-2-propen-1-yl)oxy]phenyl)methylene]-, 1,3-diethyl ester, polymer with 2-(dihydroxymethylsilyl)-2-propen-1-yl 2-[4-(diethylamino)-2-hydroxybenzoyl]benzoate and 1,1-dimethylsilanediol (CA INDEX NAME)

CM 1
 CRN 916463-31-5
 CMF C22 H27 N O6 Si

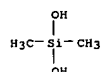
L5 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



CM 2
CRN 177955-89-4
CMF C18 H24 O7 Si



CM 3
CRN 1066-42-8
CMF C2 H8 O2 Si



IT 614755-89-4DP, reaction products with di-Me and H siloxanes
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of polysiloxane sunscreens)
RN 614755-89-4 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propen-1-yl ester (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

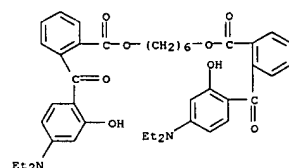
ACCESSION NUMBER: 2006:405140 CAPLUS
DOCUMENT NUMBER: 146:386322
TITLE: Micronized amino-substituted hydroxyphenylbenzophenone derivatives
AUTHOR(S): Anon.
CORPORATE SOURCE: USA
SOURCE: IP.com Journal (2006), 6(3A), 13 (No. IPCOM000134143D), 24 Feb 2006
CODEN: IPOBX; ISSN: 1533-0001
PUBLISHER: IP.com, Inc.
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 134143D		20060224		

PRIORITY APPL. INFO.:
AB Described are micronized amino-substituted hydroxyphenylbenzophenone derivs., the process for the preparation of these compds. as well as cosmetic compns. comprising these compds. The compds. are useful as UV filters in sunscreen applications, preferably for the protection of human and animal skin and hairs and from the damage of UV radiation.

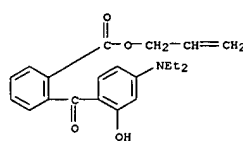
IT 682349-16-2 682349-22-0 682349-23-1
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682349-32-2 682349-33-3 682349-34-4
931098-82-7 931098-83-8 931098-84-9
931098-86-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(micronized amino-substituted hydroxyphenylbenzophenone derivs.)
RN 682349-16-2 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,6-hexanediyl) ester (CA INDEX NAME)

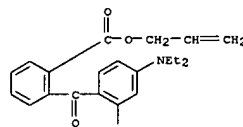


RN 682349-22-0 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2-butene-1,4-diyl) ester (CA INDEX NAME)

L5 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

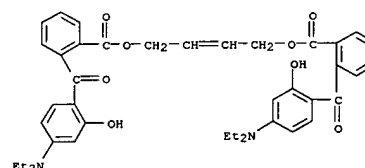


IT 614755-89-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of polysiloxane sunscreens)
RN 614755-89-4 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propen-1-yl ester (CA INDEX NAME)

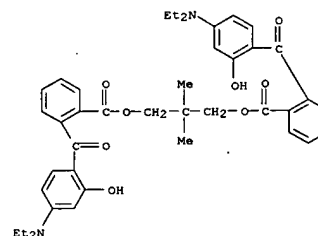


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

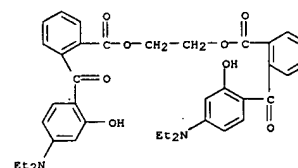
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 682349-23-1 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester (CA INDEX NAME)

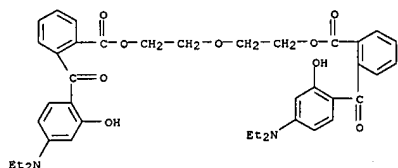


RN 682349-24-2 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,2-ethanediyl) ester (CA INDEX NAME)

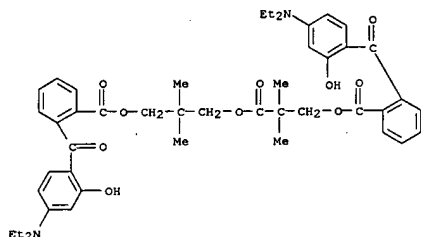


RN 682349-25-3 CAPLUS

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(oxydi-2,1-ethanediyl) ester (CA INDEX NAME)

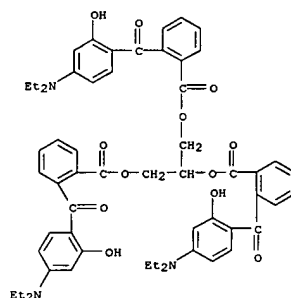


RN 682349-27-5 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 3-[3-[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]-2,2-dimethylpropoxy]-2,2-dimethyl-3-oxopropyl ester (CA INDEX NAME)



RN 682349-28-6 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1',1''-(1,2,3-propanetriyl) ester (CA INDEX NAME)

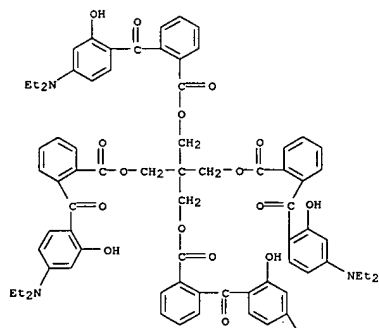
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 682349-30-0 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-[2,2-bis[[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]methyl]-1,3-propanediyl] ester (CA INDEX NAME)

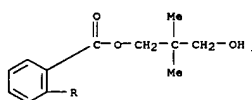
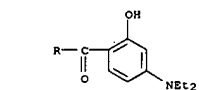
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A

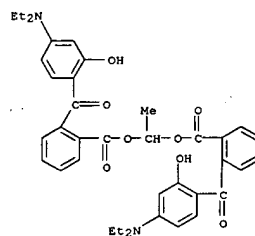


PAGE 2-A

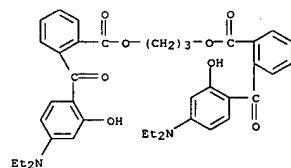
RN 682349-31-1 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 3-hydroxy-2,2-dimethylpropyl ester (CA INDEX NAME)



L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 682349-32-2 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-ethyldiene ester (CA INDEX NAME)

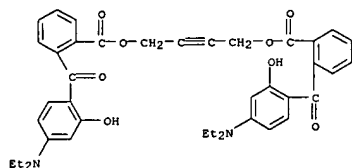


RN 682349-33-3 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,3-propanediyl) ester (CA INDEX NAME)

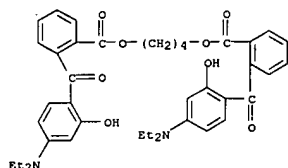


RN 682349-34-4 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2-butyne-1,4-diyl) ester (CA INDEX NAME)

L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

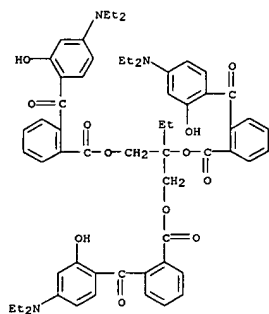


RN 931098-82-7 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,4-butanediyl) ester (CA INDEX NAME)

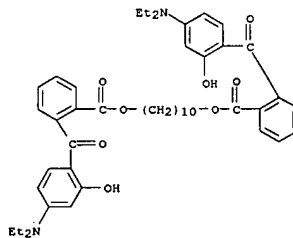


RN 931098-83-8 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,10-decanediyl) ester (CA INDEX NAME)

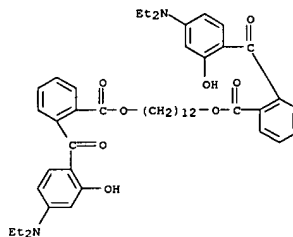
L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



L5 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 931098-84-9 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,12-dodecanediyl) ester (CA INDEX NAME)



RN 931098-86-1 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2-ethyl-1,3-propanediyl) ester (CA INDEX NAME)

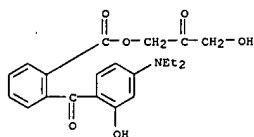
L5 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:168303 CAPLUS
 DOCUMENT NUMBER: 144:232807
 TITLE: UV filtering compounds and their preparation and use in cosmetics
 INVENTOR(S): Carola, Christophe; Pfluecker, Frank; Buchholz, Herwig; Driller, Hansjuergen; Neunhoeffer, Hans; Blyumin, Evgeniy, V.
 PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 138 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006018104	A1	20060223	WO 2005-EP8141	20050727
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM DE 102004039281 A1 20060223 DE 2004-102004039281 20040813 EP 1776351 A1 20070425 EP 2005-769795 20050727 R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR DE 2004-102004039281A 20040813 PRIORITY APPLN. INFO.: WO 2005-EP8141 W 20050727				

OTHER SOURCE(S): MARPAT 144:232807
 AB Comps. described by the general formulas YOC₂C(=O)CH₂XSpR (I) and YOC₂CH(OH)CH₂XSpR (II) (X = O, S(O)m, or NR1; Y = R1, [Si(R2)2]qSR4R5, or Sp-R; R1 = H, C1-30 alkyl, or R; R2-5 = independently selected C1-30 alkyl; Sp = -(CH₂)n-, -(CH₂)n-C(=O)-(CH₂)o-, or -(CH₂)n-C(=O)-(CH₂)o-X-(CH₂)p-; m = 0, 1, or 2; n, o, p, q = independently selected whole nos. in the range 0-40; and R = independently selected at each occurrence from UV-absorbing substituents having conjugated π electron systems with ≥4 π electrons which may be substituted with ≥1 -Sp-X-CH₂-C(=O)-CH₂OH groups) are claimed. The use of II in the preparation of I, and methods for preparing both I and II, are also described. Comps. incorporating the comps. in an appropriate vehicle are described, as are processes for preparing the comps. by mixing the comps. with an appropriate vehicle and other components. The use of the comps. and preps. for prophylaxis against time- and/or light-induced aging of human skin and hair and for the reduction or prevention of the damaging effects of UV radiation on the skin.

L5 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 IT 876758-12-2
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (UV filtering compds. and their preparation and use in cosmetics)
 RN 876758-12-2 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 3-hydroxy-2-oxopropyl ester (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

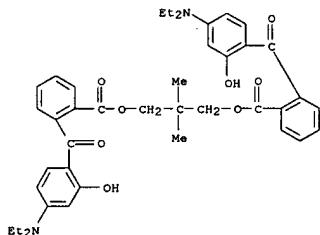
L5 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:76252 CAPLUS
 DOCUMENT NUMBER: 144:156199
 TITLE: Sunscreen cosmetic or dermatological formulations
 INVENTOR(S): Mueller, Stefan; Ehli, Thomas; Giesinger, Jochen; Kreyer, Gilbert
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006008252	A1	20060126	WO 2005-EP53301	20050711
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 1768644	A1	20070404	EP 2005-766800	20050711
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
GB 2417683	A	20060308	GB 2005-14344	20050713
KR 2007032016	A	20070320	KR 2007-700985	20070115
PRIORITY APPLN. INFO.:			EP 2004-103462	A 20040720
			EP 2004-105034	A 20041014
			WO 2005-EP53301	W 20050711

AB Disclosed is the use of an insol. or sparingly soluble micronized substance class which is not a cosmetic UV absorber and which is dispersed in the oil- or water-phase of a cosmetic or dermatol. composition for the enhancement of light protecting action of this cosmetic or dermatol. composition comprising at least one cosmetic UV filter (e.g., triazines, benzenesulfonic acids) which is soluble in the water- or oil-phase. The cosmetic formulation according to the invention shows a remarkable increase in SPF. Thus, a formulation contained birefringent particle 40-60, electrolyte 0.1-10, water 30-60, and UV filter 0.1-20 parts.

IT RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (sunscreen cosmetic or dermatol. formulations)
 RN 682349-23-1 CAPLUS

L5 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

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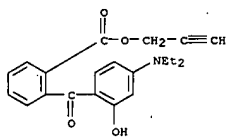
L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:523247 CAPLUS
 DOCUMENT NUMBER: 143:65134
 TITLE: Microcapsules with UV filter activity
 INVENTOR(S): Berg-Schultz, Katja
 PATENT ASSIGNEE(S): DSM IP Assets B. V., Neth.
 SOURCE: PCT Int. Appl., 51 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005033631	A1	20050616	WO 2004-EPI3734	20041202
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1722863	A1	20061122	EP 2004-803467	20041202
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1889920	A	20070103	CN 2004-80036134	20041202
JP 2007519617	T	20070719	JP 2006-541904	20041202
IN 2006CN01952	A	20070608	IN 2006-CN1952	20060602
US 2007190325	A1	20070816	US 2007-581511	20070227
PRIORITY APPLN. INFO.:			EP 2003-27847	A 20031204
			WO 2004-EPI3734	W 20041202

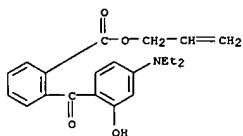
AB The invention provides a process for producing microcapsules with UV filter activity, wherein at least one type of crosslinkable chromophore with UV-A and/or UV-B and/or UV-C filter activity and optionally at least one type of crosslinkable monomer which does not have UV-A and/or UV-B and/or UV-C filter activity are subjected to a crosslinking reaction in the absence of non-crosslinkable chromophores with UV-A and/or UV-B and/or UV-C filter activity and microcapsules obtainable by this process. Thus, 2-[4-(2-(triethoxysilyl)prop-2-enyloxy)benzylidene]malonic acid di-Et ester (I) was prepared by the treatment of [4-(2-propenyloxy)phenyl]methylene]propanedioic acid di-Et ester with triethoxysilane. Microcapsules were obtained from I and tetraethoxysilane. Sunscreens comprised 1 to 10.0% in addition to the conventional sunscreen emulsion components.

IT 614755-88-3 614755-89-4
 RL: COS (Cosmetic use); PEP (Physical, engineering or chemical process); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses)
 (microcapsules with UV filter activity)
 RN 614755-88-3 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propynyl ester (SCI) (CA INDEX NAME)

L5 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 614755-89-4 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propen-1-yl ester
 (CA INDEX NAME)

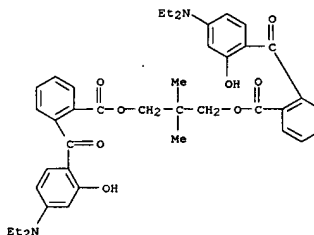


REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:441243 CAPLUS
 DOCUMENT NUMBER: 144:260055
 TITLE: Cosmetic composition containing triazine derivatives
 AUTHOR(S): Anon.
 CORPORATE SOURCE: USA
 SOURCE: IP.com Journal (2004), 4(10), 26 (No. IPCOM000031257D), 20 Sep 2004
 CODEN: IJPOBX; ISSN: 1533-0001
 PUBLISHER: IP.com, Inc.
 DOCUMENT TYPE: Journal; Patent
 LANGUAGE: English
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 31257D		20040920		
PRIORITY APPLN. INFO.: IP 2004-31257D 20040920				
AB Disclosed is the use organic UV filters selected from 1,3,5-triazines which are sym. by optionally substituted Ph and aryl radicals, preferably by Ph, biphenyl and terphenyl for the protection of human and animal hair and skin against the damaging effect of UV radiation. Most preferably 2,4,6-tris[1,1'-biphenyl-4-yl-1,3,5-triazine (registry number: 31274-51-8) is used as organic UV filter. The selected triazine derivs. are highly effective UV absorbers for cosmetic formulations.				
IT 682349-23-1				
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (cosmetic composition containing triazine derivs.)				
RN 682349-23-1 CAPLUS				
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester (CA INDEX NAME)				



L5 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:803835 CAPLUS
 DOCUMENT NUMBER: 141:300991
 TITLE: Symmetrical triazine derivatives as UV absorbers
 INVENTOR(S): Ellis, Thomas; Muller, Stefan; Hayoz, Pascal
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Corporation, USA
 SOURCE: U.S. Pat. Appl. Publ., 54 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

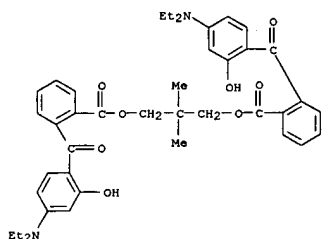
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004191191	A1	20040930	US 2004-804676	20040319
US 7311897	B2	20071225		
AU 2004224086	A1	20041007	AU 2004-224086	20040319
WO 2004085412	A2	20041007	WO 2004-EP50331	20040319
WO 2004085412	A3	20050210		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TG, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1606270	A2	20051221	EP 2004-721908	20040319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
BR 2004008994	A	20060328	BR 2004-8994	20040319
CN 1774426	A	20060517	CN 2004-80010224	20040319
JP 2006523197	T	20061012	JP 2006-505476	20040319
IN 2005CN02734	A	20070608	IN 2005-CN2734	20051021
PRIORITY APPLN. INFO.: EP 2003-100758 A 20030324				
EP 2003-102325 A 20030729				
WO 2004-EP50331 A 20040319				

OTHER SOURCE(S): MARPAT 141:300991
 AB The present invention relates to the use of specific sym. triazine derivs. for the protection of human and animal hair and skin against the damaging effect of UV radiation, cosmetic compns. comprising these triazine derivs., and process for the preparation of these compds. The compds. can be used in micronized or soluble form. For example, cyanuric chloride (9.2 g, 0.05 mol) was added to melted biphenyl (200.0 g, 1.28 mol) and hydrogen chloride was discharged for 10 min. Aluminum chloride (20.0 g, 0.15 mol) was added within 40 min in 5 equal portions, whereby hydrogen chloride was discharged again after the first two addns. After termination of the reaction 95% ethanol (200 mL) was added dropwise slowly. The reaction mixture was heated up for 1 h under reflux. Finally, acetone (400 mL)

L5 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
added and agitated for 1 h, cooled down to room temp. and the failed product was filtered under suction. Yield of tris(biphenyl)-1,3,5-triazine was approx. 65%. Various cosmetic (sunscreen) formulations were prep'd. using tris(biphenyl)-1,3,5-triazine and other triazine UV absorbers.

IT 682349-23-1P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(sym. triazine derivs. as UV absorbers for cosmetics)

RN 682349-23-1 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester (CA INDEX NAME)



All combined
w/ triazine

L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:515467 CAPLUS
DOCUMENT NUMBER: 141:71355
TITLE: Preparation of amino substituted hydroxyphenyl benzophenone derivatives as UV absorbers
INVENTOR(S): Haase, Juerg; Ehlig, Thomas; Borsos, Erik; Mueller, Stefan
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

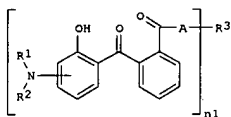
Inventors

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052837	A2	20040624	WO 2003-EP50937	20031203
WO 2004052837	A3	20040910		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,				
TG				
AU 2003298343	A1	20040630	AU 2003-298343	20031203
EP 1569893	A2	20050907	EP 2003-796081	20031203
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003016607	A	20051011	BR 2003-16607	20031203
CN 1726184	A	20060125	CN 2003-80105885	20031203
JP 20060509834	T	20060323	JP 2005-502323	20031203
US 2006018846	A1	20060126	US 2005-537440	20050607
MX 2005PA06197	A	20050811	MX 2005-PA6197	20050610
IN 2005CN01540	A	20070907	IN 2005-CN1540	20050707
PRIORITY APPLN. INFO.:				
			EP 2002-406093	A 20021212
			CH 2003-1113	A 20030625
			EP 2003-102297	A 20030725
			WO 2003-EP50937	W 20031203

Instant

OTHER SOURCE(S): MARPAT 141:71355
GI

L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



AB Described are aminohydroxybenzophenonecarboxamide derivs. of formula (I) [wherein R1, R2 = independently C1-20 alkyl, C2-20 alkenyl, C3-10 cycloalkyl, C3-10 C3-C10 cycloalkenyl; or R1 and R2 together with the linking nitrogen atom form a 5- or 6-membered heterocyclic ring; n1 = 1-4;

when n1 = 1, R3 = saturated or unsatd. heterocyclic radical, hydroxy-C1-C5 alkyl, cyclohexyl optionally substituted with one or more C1-5 alkyl, Ph optionally substituted with a heterocyclic radical, aminocarbonyl, C1-5 alkylcarboxy; when n1 = 2, R3 = alkylene, cycloalkylene or alkenylene radical which is optionally substituted by a carbonyl or carboxy group;

or R3 together with A forms a bivalent radical of the formula Q; wherein n2 =

1-3; when n1 = 3, R3 = alkanetriyl radical; when n1 = 4, R3 = alkanetetrayl radical; A = O, N(R5); R5 = H, C1-5 alkyl, hydroxy-C1-5 alkyl. These compds. are useful as UV filters in sunscreen

applications, preferably for the protection of human and animal hairs and from the damage of UV radiation as well as cosmetic compns. comprising these compds. Thus, a solution of 10.6 g 3-diethylaminodibenzoxepin

(preparation given) in 20 mL diethylene glycol di-Me ether was added to a suspension of 7.2 g 2-(4-aminophenyl)-6-methylbenzothiazole are suspended in 60 mL diethylene glycol di-Me ether at room temperature under stirring, heated to 90°, and allowed to react for 4 h to give 7.3 g

N-[4-(6-methylbenzothiazol-2-yl)phenyl]-2-(4-(diethylamino)-2-hydroxybenzoyl)benzamide.

IT 682349-16-2P, 1,6-Bis[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]hexane 682349-22-OP, 1,4-Bis[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]-2-butene 682349-23-1P, 1,3-Bis[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]-2,2-dimethylpropane

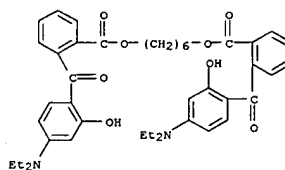
RL: BUU (Biological use, unclassified); COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino substituted hydroxyphenyl benzophenone derivs. as UV

absorbers in sunscreen applications)

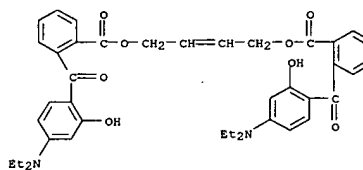
RN 682349-16-2 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,6-hexanediyl) ester (CA INDEX NAME)

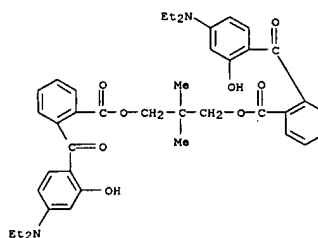
L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 682349-22-0 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2-butene-1,4-diyl) ester (CA INDEX NAME)



RN 682349-23-1 CAPLUS
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester (CA INDEX NAME)



L5 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L5 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:60580 CAPLUS
 DOCUMENT NUMBER: 140:111845
 TITLE: Production of UV light absorbing polysiloxanes for use in sunscreen compositions
 INVENTOR(S): Berg-Schultz, Katja; Huber, Ulrich
 PATENT ASSIGNEE(S): DSM IP Assets B.V., Neth.
 SOURCE: PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

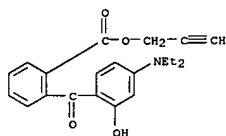
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004007592	A1	20040122	WO 2003-EP4892	20030509
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003222850	A1	20040202	AU 2003-222850	20030509
EP 1521798	A1	20050413	EP 2003-718801	20030509
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1668675	A	20050914	CN 2003-816794	20030509
JP 200533141	T	20051104	JP 2004-520366	20030509
IN 2004CN03081	A	20060217	IN 2004-CN03081	20041231
US 2006160976	A1	20060720	US 2005-521629	20050930
PRIORITY APPL. INFO.:			EP 2002-15849	A 20020716
			WO 2003-EP4892	W 20030509

AB Functionalized trimethylsilyl-terminated polysiloxanes comprise in arbitrary order (a) 2-200 elements of the formulas -OSi(CH₃)[CH(CH₃)R₁]-, -OSi(CH₃)(CH₂CH₂-R₁)-, -OSi(CH₃)[C(=CH₂)R₁]-, -OSi(CH₃)[CH=CH₃-R₁]-, where

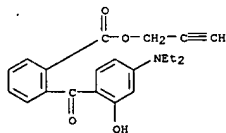
R₁ is a UV light-absorbing group, (b) 2-200 elements of the formulas -OSi(CH₃)[CH(CH₃)R₂]-, -OSi(CH₃)(CH₂CH₂-R₂)-, -OSi(CH₃)[C(=CH₂)R₂]-, -OSi(CH₃)[CH=CH₃-R₂]-, where R₂ is hydrogen or a lipophilic group, (c) optionally, 1-100 elements of the formulas -OSi(CH₃)[CH(CH₃)R₃]-, -OSi(CH₃)(CH₂CH₂-R₃)-, -OSi(CH₃)[C(=CH₂)R₃]-, -OSi(CH₃)[CH=CH₃-R₃]-, where

R₃ is a group able to form ionic or hydrogen bonds, and (d) optionally, 1-20 elements of the formula -O-SiH(CH₃)-. The UV light-absorbing polysiloxanes are used in sunscreen compns. for protection of human skin and/or hair. Thus, a UV light-absorbing polysiloxane was produced by hydrosilylation reaction between trimethylsilyl-terminated polymethylsiloxane (PS 118) and n-Bu vinyl ether and 2-(4-prop-2-

L5 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 IT 614755-88-3P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation);
 RACT (Reactant or reagent)
 (production of UV light-absorbing polysiloxanes for use in sunscreen compns.)
 RN 614755-88-3 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propynyl ester (9CI) (CA INDEX NAME)



IT 614755-88-3DP, reaction products with hydrogen-containing polysiloxanes
 RL: IMF (Industrial manufacture); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (production of UV light-absorbing polysiloxanes for use in sunscreen compns.)
 RN 614755-88-3 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propynyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

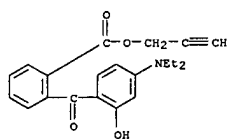
FORMAT

L5 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:836807 CAPLUS
 DOCUMENT NUMBER: 139:327930
 TITLE: Organosilicone derivatives of amino hydroxybenzophenones and their use as UVA filters in cosmetic preparations
 INVENTOR(S): Berg-Schultz, Katja; Huber, Ulrich
 PATENT ASSIGNEE(S): Roche Vitamins A.-G., Switz.
 SOURCE: PCT Int. Appl., 27 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086340	A1	20031023	WO 2003-EP3095	20030325
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003226709	A1	20031027	AU 2003-226709	20030325
EP 1494642	A1	20050112	EP 2003-746278	20030325
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003009195	A	20050209	BR 2003-9195	20030325
CN 1646091	A	20050727	CN 2003-808320	20030325
JP 2005339099	T	20051122	JP 2003-583364	20030325
IN 2004CN02254	A	20070907	IN 2004-CN02254	20041007
US 2005255066	A1	20051117	US 2005-511020	20050509
PRIORITY APPL. INFO.:			EP 2002-8419	A 20020412
			WO 2003-EP3095	W 20030325

AB The present invention relates to organosilicone derivs. of amino hydroxybenzophenones, a process for their preparation, a cosmetic compns. comprising the organosilicone derivative and the use thereof for protecting hair and/or skin from damage caused by UVA irradiation
 IT 614755-88-3DP, reaction products with polysiloxanes
 RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of organosilicone derivs. of amino hydroxybenzophenones as sunscreen against UVA radiation for cosmetics)
 RN 614755-88-3 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propynyl ester (9CI) (CA INDEX NAME)

L5 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

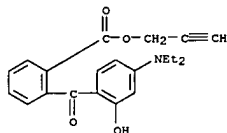


IT 614755-88-3P 614755-89-4P
 RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of organosilicone derivs. of amino hydroxybenzophenones)

as sunscreen against UVA radiation for cosmetics)

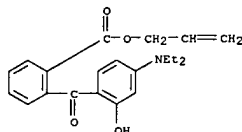
RN 614755-88-3 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propynyl ester (9CI) (CA INDEX NAME)



RN 614755-89-4 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-propen-1-yl ester (CA INDEX NAME)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS

L5 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

$n_1 = 1$
 $R_3 = \text{alkynyl}$
not claimed

L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:830446 CAPLUS

DOCUMENT NUMBER: 140:362521

TITLE: Preparation of amino substituted hydroxyphenyl benzophenone derivatives and their uses as UV filters in sunscreen formulations

AUTHOR(S): Anon.

CORPORATE SOURCE: USA

SOURCE: IP.com Journal (2003), 3(8), 40 (No. 4 Aug 2003)

PUBLISHER: CODEN: IJPOBX; ISSN: 1533-0001

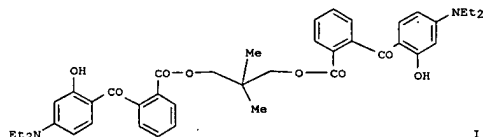
DOCUMENT TYPE: IP.com, Inc.

LANGUAGE: Journal; Patent

PATENT INFORMATION: English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 18721D		20030804	IP 2003-18721D	20030804

PRIORITY APPLN. INFO.: GI



AB Described are synthesis of amino substituted hydroxyphenyl benzophenone derivs. The compds. are useful as UV filters in sunscreen applications. For example, compound I synthesized by reacting anhydrous 4-diethylamino 2-hydroxy benzophenone carboxylic acid with 2,2-dimethyl-1,3-propanediol was found to be a good UV absorber and was incorporated into sunscreen formulations.

IT 682349-24-2 682349-25-3 682349-27-5
 682349-28-6 682349-29-7 682349-30-0
 682349-31-1 682349-32-2 682349-33-3
 682349-34-4

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
 (preparation of amino substituted hydroxyphenyl benzophenone derivs.

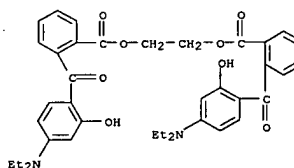
and their uses as UV filters in sunscreen formulations)

RN 682349-24-2 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,2-ethanediyl) ester (CA INDEX NAME)

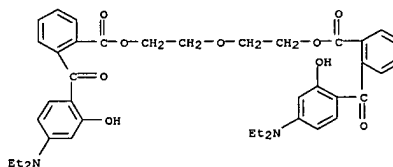
L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN

(Continued)



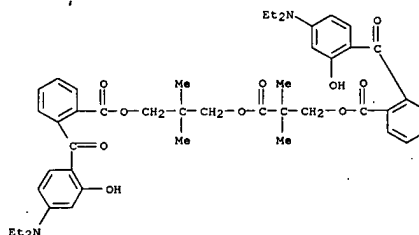
RN 682349-25-3 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(oxydi-2,1-ethanediyl) ester (CA INDEX NAME)

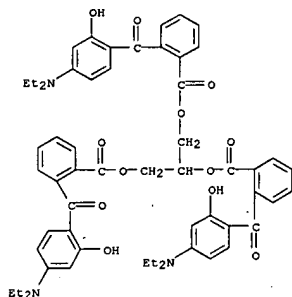


RN 682349-27-5 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 3-[3-[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyloxy]-2,2-dimethylpropoxy]-2,2-dimethyl-3-oxopropyl] ester (CA INDEX NAME)

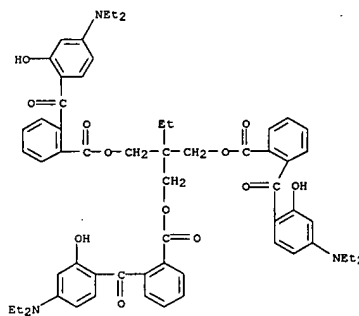


L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 682349-28-6 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1',1''-(1,2,3-propanetriyl) ester (CA INDEX NAME)



RN 682349-29-7 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 2-[[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]methyl]-2-ethyl-1,3-propanediyl ester (9CI) (CA INDEX NAME)

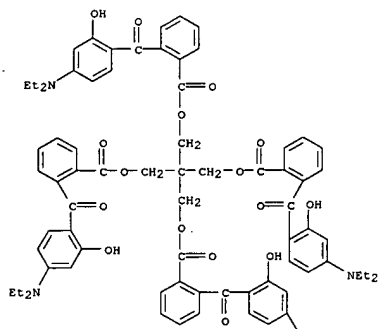
L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 682349-30-0 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-[2,2-bis[[[2-[4-(diethylamino)-2-hydroxybenzoyl]benzoyl]oxy]methyl]-1,3-propanediyl] ester (CA INDEX NAME)

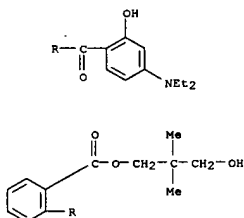
L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A



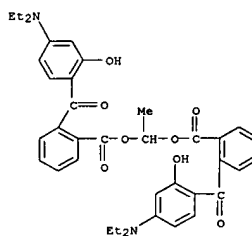
PAGE 2-A

RN 682349-31-1 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 3-hydroxy-2,2-dimethylpropyl ester (CA INDEX NAME)

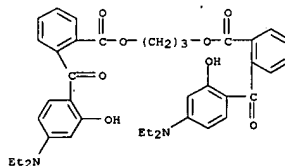


L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 682349-32-2 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-ethylidene ester (CA INDEX NAME)

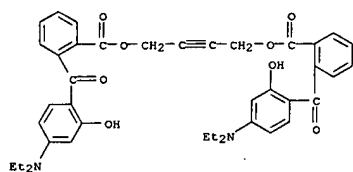


RN 682349-33-3 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,3-propanediyl) ester (CA INDEX NAME)



RN 682349-34-4 CAPLUS
 CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2-butyne-1,4-diyl) ester (CA INDEX NAME)

L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

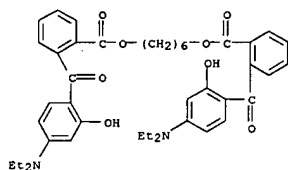


IT 682349-16-2P 682349-22-0P 682349-23-1P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of amino substituted hydroxyphenyl benzophenone derivs.

and their uses as UV filters in sunscreen formulations)

RN 682349-16-2 CAPLUS

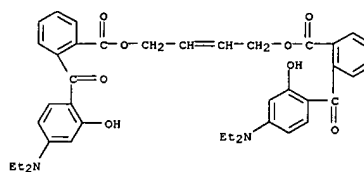
CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(1,6-hexanediyl) ester (CA INDEX NAME)



RN 682349-22-0 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2-butene-1,4-diyl) ester (CA INDEX NAME)

L5 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



RN 682349-23-1 CAPLUS

CN Benzoic acid, 2-[4-(diethylamino)-2-hydroxybenzoyl]-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester (CA INDEX NAME)

